

Application No. 09/932,250
Docket No. 1999U021D2.US
Reply to Advisory Action Dated March 31, 2004

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 – 39 (Cancelled)

Claim 40. (Currently amended) A method for preparing a catalyst composition comprising the steps of:

- (a) mixing an olefin polymerization catalyst with an activator;
- (b) adding a ~~first solid~~ carboxylic acid compound;
- (c) adding a ~~second solid~~ carbonate or hydroxide compound; wherein during the preparation the first carboxylic acid and base carbonate or hydroxide compounds do not react with each other to form a polymerization catalyst inhibitor below an onset temperature, the onset temperature being greater than 5°C above the polymerization temperature in a polymerization reactor in which the catalyst composition is used, the polymerization temperature being in the range of from 50°C to 120°C.

Claim 41. (Cancelled)

Claim 42. (Cancelled)

Claim 43. (Original) The method of claim 40 wherein the method comprises the additional step of adding a support.

Claim 44. (Previously amended) The method of claim 43 wherein following step (a), the mixture of the polymerization catalyst and the activator are combined with the support.

Claim 45. (Cancelled)

Application No. 09/932,250
Docket No. 1999U021D2.US
Reply to Advisory Action Dated March 31, 2004

Claim 46. (Currently amended) the method of claim 40 wherein the polymerization catalyst is a ~~bulky ligand metallocene-type~~ catalyst compound.

Claim 47-55. (Cancelled)

Claim 56. (New) The method of Claim 40, wherein the carboxylic acid compound is selected from the group consisting of o-toluic acid, tropic acid, 4-octyloxybenzoic acid, 4-bromophenylacetic acid, 2-phenoxybenzoic acid, 3,4,5-triethoxybenzoic acid, 2,4-dimethoxybenzoic acid, 3-methyladipic acid, DL-malic acid, tropic acid, glutaric acid, ketoglutaric acid, pimelic acid, mandelic acid, 3-t-butyladipic acid and L-malic acid.

Claim 57. (New) The method of Claim 40, wherein the carbonate or hydroxide compound is selected from the group consisting of potassium carbonate, calcium carbonate, sodium carbonate, barium carbonate, zinc carbonate hydroxide hydrate, magnesium carbonate hydroxide hydrate, calcium hydroxide, sodium hydroxide, magnesium hydroxide, lithium carbonate, potassium bicarbonate and aluminum hydroxide.

Claim 58. (New) The method of Claim 40, wherein the mole ratio of carboxylic acid compound to carbonate or hydroxide compound is from 2:1 to 1:2.

Claim 59. (New) The method of Claim 40, wherein the onset temperature is greater than 80°C.

Claim 60. (New) The method of Claim 40, wherein the olefin polymerization catalyst, activator, carboxylic acid compound and carbonate or hydroxide compounds are dry mixed prior to injecting in a polymerization reactor.

Application No. 09/932,250
Docket No. 1999U021D2.US
Reply to Advisory Action Dated March 31, 2004

Claim 61. (New) The method of Claim 40, wherein the olefin polymerization catalyst, activator, carboxylic acid compound and carbonate or hydroxide compounds form a slurry comprising mineral oil prior to being injected in a polymerization reactor.

Claim 62. (New) The method of Claim 40, wherein the additions in (b) and (c) are performed prior to being injected in a polymerization reactor.

Claim 63. (New) The method of Claim 40, wherein the additions in (b) and (c) are performed in a polymerization reactor.

Claim 64. (New) The method of Claim 40, wherein the carboxylic acid compound or carbonate or hydroxide compound has a melting point greater than 70°C.